

Hardwoods ⁴

SPECIES	MOUNTAIN	PIEDMONT	COASTAL PLAIN	RECOMMENDED SITES FOR PLANTING ⁵
Black Walnut	12' x12'			Bottomlands (Well Drained)
Cherry Bark Oak	Not Recommended	Eastern Piedmont Only 10'x10'		
Swamp Chestnut Oak	Not Recommended	Eastern Piedmont Only 10'x10'		
Sweet Gum	Not Recommended	8' x10'		
Sycamore	Below 2500'	10' x10'		
Yellow Poplar	10' x10'			
Green Ash	8' x10'			Bottomlands (Moderately Well Drained)
Sweet Gum	Not Recommended	8' x10'		
Water Oak	Not Recommended	Eastern Piedmont Only 10'x10'		
Willow Oak	Not Recommended	10' x10'		
Green Ash	Not Recommended	8' x10'		Bottomlands (Poorly Drained)
Tupelo Gum	Not Recommended		8' x10'	Swamp
Black Cherry	Above 3000' 8'x10'	Not Recommended		Coves & Lower Slopes Adjacent To Streams (Moist Fertile Soil)
Black Locust	8' x10'		Not Recommended	
Black Walnut	12' x12'			
Northern Red Oak	10' x10'		Not Recommended	
Southern Red Oak	Below 2000' 10'x10'			
Sugar Maple	Above 2000' 8'x10'	Not Recommended		
White Ash	10'x10'	Northern Coastal Plain Only		
White Oak	10' x10'			
Yellow Poplar	10' x10'			
White Oak	10' x10'	Not Generally Recommended		Mid-Slopes (Northernly) Intermediate in Soil Moisture and Fertility

NORTH CAROLINA

TREE

PLANTING GUIDE



Division of Forest Resources
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4- For Timber Production- If spot planting, wider and variable spacing is suggested.
For non-timber purposes, wider spacing may be appropriate.

5- Specific soil and site conditions are required to produce satisfactory growth. In most cases, rather intensive cultural practices are required during growth. Consult a Forester or your N.C. Forest Service Ranger before making plans.

CONIFERS

SPECIES	MOUNTAIN	UPPER PIEDMONT	LOWER PIEDMONT	SANDHILLS	COASTAL PLAINS
Loblolly Pine ³	Cherokee, Clay and Macon to 1500'	Recommended Note No. 1		Not on Deep Sand	
Longleaf Pine ³	Not Recommended		Best Species for Deep Dry Sand Other Sites are Acceptable		
Pitch Pine	High Dry Ridges 1400' - 4500'	Not Recommended			
Pond Pine	Not Recommended				Pocosin Sites Only Not on Deep Dry Sand
Shortleaf Pine	Not on Severly Eroded Clay Soils		Not Recommended		
Virginia Pine	Adapted to Severly Eroded Heavy Clay Soils - Note No. 2			Not Recommended	
White Pine ³	Recommended 1200' - 3500' - Note No. 2		Not Generally Recommended Note No. 2	Not Recommended - Note No. 2	
Red Cedar	Not Recommended	Note No. 2			
White Cedar (Juniper)	Not Recommended			Not Generally Recommended - Note No. 1	Note No. 1
Baldcypress	Not Recommended		Not Generally Recommended Note No. 2		Note No. 1
Fraser Fir	For Christmas Trees Above 2000'	Not Recommended			

Note No. 1 Specific soil and site conditions are required to produce satisfactory growth. These conditions must also be considered when deciding tree spacing. Consult your local Ranger.

Note No. 2 Spacing for Christmas Trees is found in other publications. Consult your local Ranger.

Note No. 3 Genetically improved seedlings of these species are available from the N.C. Division of Forest Resources Nurseries.

Spacing recommendations are determined by site quality, markets and landowner objectives.

Species	Min/ac	Max/ac
Loblolly Pine	300	725
Longleaf Pine	500	725
Shortleaf Pine	450	725
Virginia Pine	500	800
White Pine	300	625

